



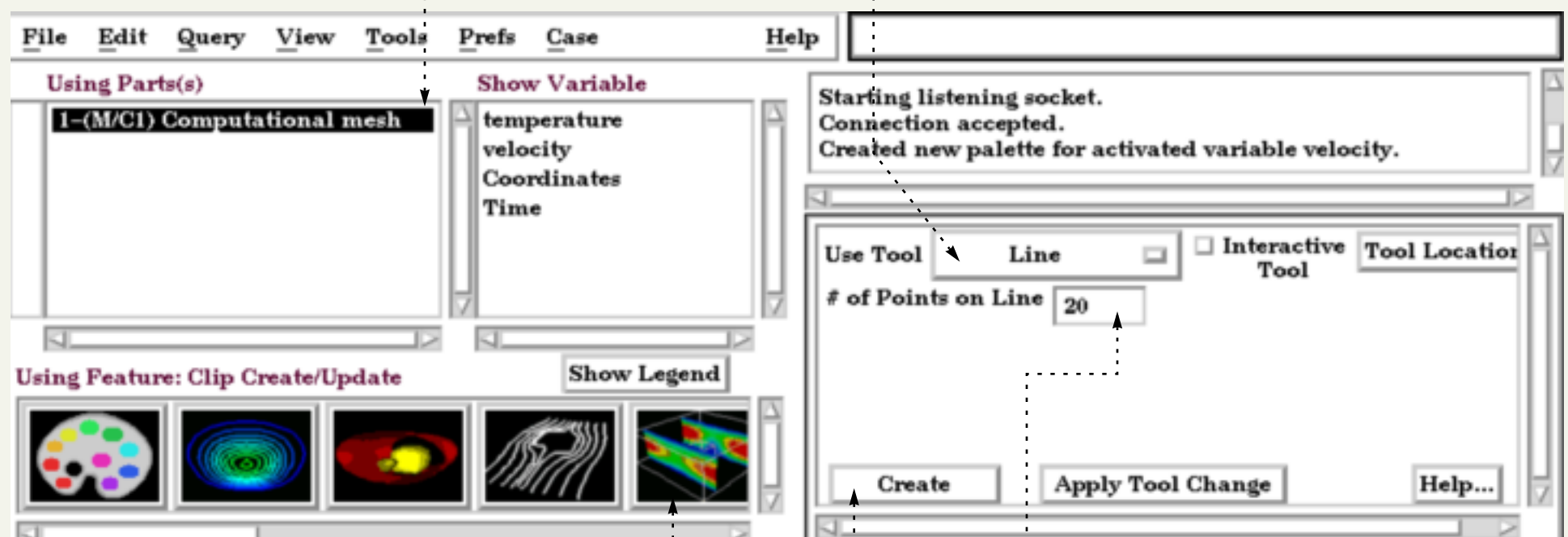
INTRODUCTION

In addition to standard clipping planes, EnSight also provides one dimensional clipping. Clip lines are linear clips through 2D or 3D models with samples taken at evenly spaced intervals. Values along a clip line can be visualized using [profiles](#) or queried and sent to a [plotter](#).

BASIC OPERATION

1. Select the parent part.

3. Select Line from the Use Tool pulldown.



2. Click the Clip icon.

4. Enter the desired number of samples on the line.

5. Position the Line tool as desired (see [How To Use the Line Tool](#)).

6. Click Create.

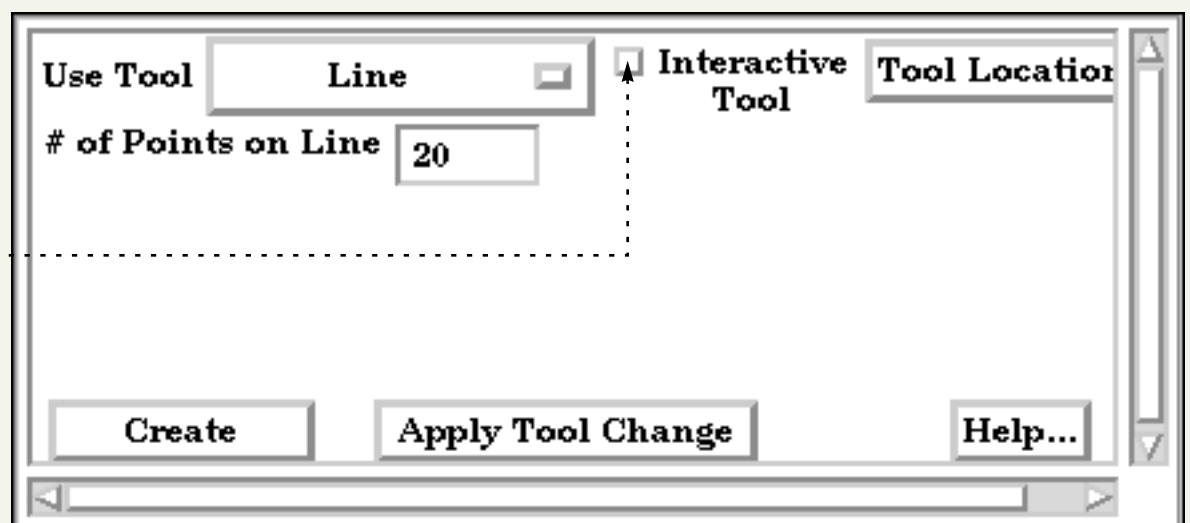
ADVANCED USAGE

Like the other clipping tools in EnSight, clip lines can be interactive: as you drag the Line tool with the mouse, the clip line is automatically recalculated and redisplayed. If a query has been created from the clip line, the plotted curve will automatically redisplay as well. To perform interactive line clips:

1. Double-click the desired clip line part in the parts list.

2. Toggle on Interactive Tool in the Quick Interaction area.

3. Move the mouse into the Graphics Window. Click on one of the Line tool hotpoints (either endpoint or center cross) and drag the tool to the desired location.





OTHER NOTES

It is sometimes useful to display just the nodes of a line clip. Using the Feature Detail Editor, you can change the display such that only nodes (not lines or elements) are displayed. The nodes can be shown as dots, crosses, or spheres. If displayed as crosses or spheres, the size (radius) can be constant or scaled by the value of a variable. See [How to Set Attributes](#) for more information.

SEE ALSO

[Introduction to Part Creation](#), [How To Use the Line Tool](#), [How to Create Profile Plots](#), [How to Plot Query Results](#). Other clips: [How to Create Clip Planes](#), [How to Create Quadric Clips](#).

User Manual: [Clip Create/Update](#)